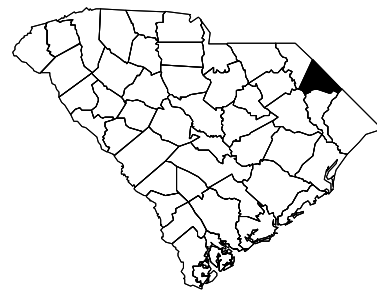


IMPACT OF CHRONIC CONDITIONS DILLON County, 2002



In the year 2002, the leading causes of death among South Carolinians were heart disease, cancer, stroke, accidents, chronic lower respiratory disease, diabetes, Alzheimer's disease, pneumonia and influenza, nephritis, nephritic syndrome, nephrosis and septicemia. This report focuses on the chronic conditions of the population of Dillon county, and is compared to the overall chronic conditions of the population of South Carolina as a whole.

The distribution of Dillon county's population is similar to the state population. The majority (38%) of the population are between the ages of 18-44. Dillon county has more people under the age of 18 (27%) than the state (24%), and there are more females (53%) than males (47%). Dillon county has a higher minority population (48%) than the state (32%). When adults in Dillon county were asked about their general health status, 76.3% reported having excellent, very good, or good health in 2002 (SC was 83%).

	DILLON COUNTY	STATE
Population size	30,914	4,107,183
Age distribution (%)		
<18	27	24
18-44	38	40
45-64	24	24
65-84	10	11
85+	1	1
Race (%)		
White	52	68
Black & Other	48	32
Sex (%)		
Male	47	49
Female	53	51

In spite of the overall reports of good health given by the citizens of the Palmetto State, chronic conditions are still making an impact on the health of many South Carolinians. Through primary and secondary prevention we hope to reduce the risk factors that contribute to the major chronic diseases and leading causes of death among South Carolinians.

The chart below contains the risk factors that contribute to an increased risk of developing a chronic condition. These risk factors are related to the major causes of morbidity and mortality among South Carolinians. Some common behavioral risk factors that contribute to the leading causes of death are smoking, sedentary lifestyle, obesity, and high cholesterol. The prevalence of these risk factors from the 2002 South Carolina Behavioral Risk Factor Surveillance System (BRFSS) survey are listed in the table below for Dillon county.

RISK FACTOR	COUNTY (%)	STATE (%)
Current smoking	33	27
Sedentary lifestyle	41	42
Overweight	54	60
High Cholesterol	5	8

Some preventive measures such as immunization were included in the 2002 SC BRFSS. For persons age 65 and older in South Carolina:

30.6% have not received the flu shot in the past 12 months

35.1% have never had the pneumonia vaccination

Hospital/ED data in the following tables include ONLY those cases treated in SC hospitals. Cases treated in hospitals outside of SC are NOT included.

HYPERTENSION	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)	25.8	.	.	.	.	28.4
Number of hospitalizations	101	60	41	31	70	5,173
Standard rate of hospitalizations (per 100,000)	336	505	227	249	400	125
Median age of hospitalized patients	58	53	68	48	63	63
Total cost of hospitalization (\$)	1,129,600	761,500	368,100	331,300	798,300	79,350,400
Average length of hospital stay (days)	4	5	3	4	4	5
Number of ED visits	104	82	22	36	68	7,306
Standard rate of ED visits (per 100,000)	345	620	128	261	409	175
Median age of ED patients	48	48	65	48	53	53
Total cost of ED visits (\$)	36,300	27,700	8,600	13,600	22,700	5,902,800
Number of deaths*	3	2	1	2	1	366
Standard death rate (per 100,000)*	11	22	5	20	5	9

HEART DISEASE	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)	5.85	.	.	.	.	5.13
Number of hospitalizations	365	126	239	158	207	30,831
Standard rate of hospitalizations (per 100,000)	1,209	1,075	1,307	1,284	1,181	734
Median age of hospitalized patients	63	63	58	58	63	68
Total cost of hospitalization (\$)	8,933,600	2,692,700	6,240,900	4,310,000	4,623,600	969,122,700
Average length of hospital stay (days)	4	4	4	4	4	5
Number of ED visits	28	12	16	14	14	2,754
Standard rate of ED visits (per 100,000)	95	102	94	113	80	66
Median age of ED patients	58	43	70	58	55	63
Total cost of ED visits (\$)	89,400	26,400	63,000	64,600	24,800	10,617,900
Number of deaths*	98	46	50	52	46	9,723
Standard death rate (per 100,000)*	351	456	288	562	255	246

STROKE	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)	2.78	.	.	.	.	2.38
Number of hospitalizations	143	55	88	55	88	14,317
Standard rate of hospitalizations (per 100,000)	498	506	489	484	489	351
Median age of hospitalized patients	65	68	65	60	73	73
Total cost of hospitalization (\$)	2,046,700	814,700	1,232,000	958,600	1,088,100	279,819,700
Average length of hospital stay (days)	5	5	5	5	5	6
Number of ED visits	18	6	12	7	11	2,732
Standard rate of ED visits (per 100,000)	60	53	63	65	61	67
Median age of ED patients	78	60	83	.	78	73
Total cost of ED visits (\$)	27,000	11,500	15,500	14,900	12,100	6,322,600
Number of deaths*	36	16	20	14	22	2,816
Standard death rate (per 100,000)*	130	160	113	149	121	73

CHRONIC OBSTRUCTIVE PULMONARY DISEASE	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	357	148	209	145	212	14,524
Standard rate of hospitalizations (per 100,000)	1,175	1,044	1,142	1,123	1,257	351
Median age of hospitalized patients	48	20	58	23	53	58
Total cost of hospitalization (\$)	3,877,100	1,620,400	2,256,700	1,819,300	2,057,800	198,700,700
Average length of hospital stay (days)	4	3	4	4	3	5
Number of ED visits	457	283	174	200	257	37,517
Standard rate of ED visits (per 100,000)	1,475	1,921	1,041	1,390	1,556	914
Median age of ED patients	33	23	43	23	38	33
Total cost of ED visits (\$)	252,000	147,700	104,300	114,900	137,100	30,607,600
Number of deaths*	18	4	14	9	9	1,891
Standard death rate (per 100,000)*	61	34	73	79	49	48

DIABETES	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)	5.31	.	.	.	.	8.33
Number of hospitalizations	140	89	51	74	66	8,652
Standard rate of hospitalizations (per 100,000)	464	725	297	570	381	207
Median age of hospitalized patients	48	38	53	38	55	53
Total cost of hospitalization (\$)	1,562,000	1,026,100	535,900	839,400	722,600	127,167,500
Average length of hospital stay (days)	4	4	4	4	5	6
Number of ED visits	164	115	49	57	107	9,316
Standard rate of ED visits (per 100,000)	549	973	283	413	622	224
Median age of ED patients	53	53	53	58	48	53
Total cost of ED visits (\$)	67,300	45,500	21,800	26,900	40,400	8,261,100
Number of deaths*	8	3	4	-	4	1,114
Standard death rate (per 100,000)*	27	31	21	-	34	28

ALL CANCERS	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	213	97	116	94	119	24,644
Standard rate of hospitalizations (per 100,000)	728	852	648	858	703	591
Median age of hospitalized patients	63	58	63	68	58	58
Total cost of hospitalization (\$)	4,146,800	1,958,300	2,188,500	1,919,700	2,227,100	605,119,300
Average length of hospital stay (days)	5	6	5	6	5	6
Number of deaths*	65	21	44	42	23	8,320
Standard death rate (per 100,000)*	229	211	238	416	128	203

COLORECTAL CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	27	17	10	14	13	2,113
Standard rate of hospitalizations (per 100,000)	93	164	55	126	76	51
Median age of hospitalized patients	63	65	63	68	63	68
Total cost of hospitalization (\$)	675,900	493,100	182,800	293,500	382,400	80,248,200
Average length of hospital stay (days)	7	8	6	7	8	10
Number of deaths*	8	2	6	6	2	807
Standard death rate (per 100,000)*	28	20	33	49	12	20

BREAST CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	12	7	5	.	12	1,465
Standard rate of hospitalizations (per 100,000)	40	57	27	.	69	35
Median age of hospitalized patients	65	53	78	.	65	63
Total cost of hospitalization (\$)	130,800	80,300	50,500	.	130,800	21,213,600
Average length of hospital stay (days)	3	3	2	.	3	3
Number of deaths*	3	-	3	-	3	630
Standard death rate (per 100,000)*	10	-	15	-	17	15

CERVICAL CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	.	.	.	.	.	222
Standard rate of hospitalizations (per 100,000)	7	11	7	.	13	5
Median age of hospitalized patients	48	68	28	.	48	48
Total cost of hospitalization (\$)	20,900	12,000	8,900	.	20,900	3,668,300
Average length of hospital stay (days)	5	7	2	.	-	4
Number of deaths*	-	-	-	-	-	26
Standard death rate (per 100,000)*	-	-	-	-	-	3

LUNG CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	31	9	22	19	12	2,154
Standard rate of hospitalizations (per 100,000)	103	84	114	153	66	51
Median age of hospitalized patients	68	68	68	68	73	68
Total cost of hospitalization (\$)	722,100	239,200	482,900	281,900	440,200	70,474,400
Average length of hospital stay (days)	7	8	7	6	9	9
Number of deaths*	19	3	16	12	7	2,481
Standard death rate (per 100,000)*	66	29	85	117	39	60

PROSTATE CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	.	.	.	.	.	1,353
Standard rate of hospitalizations (per 100,000)	25	31	21	77	.	32
Median age of hospitalized patients	78	78	73	78	.	68
Total cost of hospitalization (\$)	81,000	15,800	65,200	81,000	.	24,726,200
Average length of hospital stay (days)	3	4	3	3	.	4
Number of deaths*	2	1	1	2	-	478
Standard death rate (per 100,000)*	9	12	7	40	-	12

*Mortality data were provided by Division of Biostatistics, Office of Public Health Statistics and Information Systems, DHEC using ICD-10 codes.

For more information about

Chronic diseases in South Carolina contact:

Patsy Myers, RD, MS, DrPH
Bureau of Epidemiology
SC Department of Health and Environmental Control
1800 St. Julian Place, Suite 406
Columbia, SC 29204
Tel (803) 545-4920

Hospital discharges and ED visits, contact:

Sandra Kelly
Office of Research and Statistics
SC Budget and Control Board
1919 Blanding Street
Columbia, SC 29201
(803) 898-9958
skelly@ors.state.sc.us

